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CLAIMS

1. A fan revolution speed control method for controlling a pump-motor system so as to control the fan revolution speed of a cooling fan that is adapted to be rotated by a fan motor so as to cool a cooling target fluid, said pump-motor system adapted to drive said fan motor by means of hydraulic fluid supplied from an engine-driven fan pump, wherein said fan revolution speed control method comprises steps of:

detecting a temperature of a cooling target fluid,

determining a target fan revolution speed of said cooling fan based on the detected temperature of said cooling target fluid,

controlling said pump-motor system so that the fan revolution speed starts from a minimum fan revolution speed at the start-up of the engine, and

further controlling said pump-motor system so that the fan revolution speed gradually increases to said target fan revolution speed.

2. A fan revolution speed control method as claimed in claim 1, wherein:

said minimum fan revolution speed is maintained for a given period of time at the start-up of the engine.